

02570 U.S. PTO  
120503

Patent

19270 U.S. PTO  
10/729623

120503

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: DEPPISCH et al.

Serial No.: Not yet assigned

Filing Date: Filed herewith

For: INTEGRATED SOLDER AND HEAT  
SPREADER FABRICATION

)  
)  
) Examiner: Not yet assigned

)  
) Group Art Unit: Not yet assigned

)  
) INTEL Docket No.: P17175

**MS PATENT APPLICATION**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Large Entity)**

Sir:

Transmitted herewith for filing under 35 USC 111(a) and 37 CFR 1.53(b) is a new utility patent application for an invention entitled: **INTEGRATED SOLDER AND HEAT SPREADER FABRICATION**

and invented by: **DEPPISCH et al.**

Enclosed are:

1. ☒ Filing Fee as calculated and transmitted as described below
2. ☒ Specification having 14 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☐ Cross references to Related Applications (*if applicable*)

- c. ☐ Statement Regarding Federally-sponsored Research/Development
- d. ☐ Reference to Microfiche Appendix (*if applicable*)
- e. ☒ Background of the Invention
- f. ☐ Brief Summary of the Invention
- g. ☒ Brief Description of the Drawings (*if drawings filed*)
- h. ☒ Detailed Description
- i. ☒ Claim(s) as Classified Below
- j. ☒ Abstract of the Disclosure
- 3. ☒ Drawing(s) (*when necessary as prescribed by 35 USC 113*)
  - a. ☒ Formal          Number of Sheets 14
  - b. ☐ Informal          Number of Sheets
- 4. ☒ Oath or Declaration
  - a. ☒ Newly executed (*original or copy*)          ☐ Unexecuted
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))
  - c. ☒ With Power of Attorney          ☐ Without Power of Attorney
  - d. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the Prior Application, see 37. CFR 1.63(d)(2) and 1.33(b).
- 5. ☐ Incorporation By Reference (*usable if Box 4b is checked*)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
- 6. ☒ Assignment Papers (*cover sheet & documents(s)*)
- 7. ☐ 37 CFR 3.73(B) Statement (*when there is an assignee*)
- 8. ☐ English Translation Document (*if applicable*)
- 9. ☐ Information Disclosure Statement/PTO-1449          ☐ Copies of IDS Citations
- 10. ☐ Preliminary Amendment
- 11. ☒ Acknowledgement Postcard
- 12. ☒ Mailed Via
  - ☐ First Class          ☒ Express Mail (*Specify Label No.*) **EL963891515US**
- 13. ☐ Certified Copy of Priority Document(s) (*if foreign priority is claimed*)
- 14. ☐ Request and Certification under 35 USC 122(b)(2)(B)(i) (*attach PTO/SB/35*)
- 15. ☒ Additional Enclosures: Credit Card Payment Form

## FEE CALCULATION

| For   | No. Filed | No. Allowed | No. Extra | Rate     | Fee       |
|---|-----------|-------------|-----------|----------|-----------|
| Total Claims  | 23        | - 20        | 3         | \$ 18.00 | \$ 54.00  |
| Indep. Claims   | 5         | - 3         | 2         | \$ 86.00 | \$ 172.00 |
| Multiple Dependent Claims (If applicable, please add \$ 290.00) |           |             |           |          | \$ 0.00   |
| BASIC FEE   |           |             |           |          | \$ 770.00 |
| OTHER FEE (specify purpose):                                    |           |             |           |          | \$ 0.00   |
| TOTAL FILING FEE  |           |             |           |          | \$996.00  |

Credit Card Authorizations for \$ 996.00 and \$40.00 are enclosed.

The Commissioner is hereby authorized to charge and credit Deposit Account No. 50-1852 as described below. A duplicate copy of this sheet is enclosed.

- ☒ Credit any overpayment.
- ☒ Charge any additional fees required under 37 CFR 1.16 and 1.17.

Respectfully submitted,

December 5, 2003

Date



Nandu A. Talwalkar  
 Registration No. 41,339  
 Attorney for Intel Corporation  
 Buckley, Maschoff & Talwalkar LLC  
 Five Elm Street  
 New Canaan, CT 06840  
 (203) 972-0049